

[54] INTRALENTICULAR CATARACT SURGERY

3,683,069 8/1972 Hooreman 424/94
4,078,564 3/1978 Spina et al. 128/216

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OTHER PUBLICATIONS

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Conn.

Preparation and Properties of Water-Insoluble Deriva-
tives of Trypsin—Atha Ban-Eli & Epraim Katchalaski,
Journal of Biol. Research Chemistry, vol. No. 5, May
1963, pp. 1690-1698.

[*] Notice: The portion of the term of this patent
subsequent to Mar. 14, 1995, has been
disclaimed.

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[57] ABSTRACT

Related U.S. Application Data

An enzymatic intralenticular cataract treatment for
removal of nuclear cortical and subcapsular regions of
the cataractous lens through enzymatic digestion
thereof which comprises introduction of a concentrated
solution of a trypsin enzyme into the nuclear and cortical
regions of a cataractous lens, and after enzymatic
digestion removing the liquefied cataractous material.
The procedure allows subsequent removal of the nu-
clear, cortical and subcapsular portions of a cataractous
lens through a very tiny incision in the eye and lens
capsule, leaving all other structures within the eye in-
tact. Bovine and porcine trypsin are preferred.

[63] Continuation-in-part of Ser. No. 771,551, Feb. 24, 1977,
abandoned, which is a continuation-in-part of Ser. No.
660,873, Feb. 24, 1976, Pat. No. 4,078,564.

[51] Int. Cl.² A61M 5/00

[52] U.S. Cl. 128/1 R; 128/216;
424/94

[58] Field of Search 128/1, 213, 213 A, 215,
128/249, 216

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U.S. PATENT DOCUMENTS

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7 Claims, 3 Drawing Figures

